

Wyatt

#109

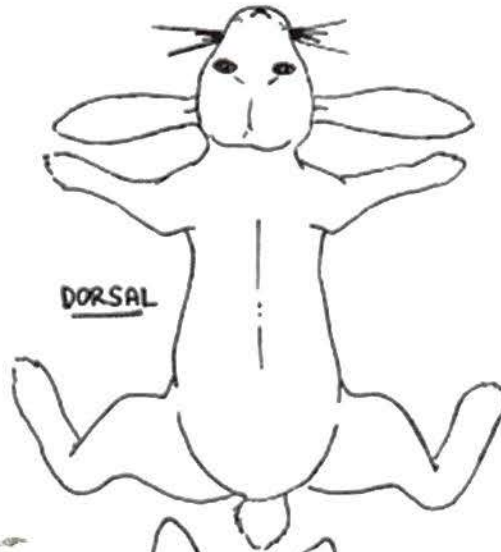
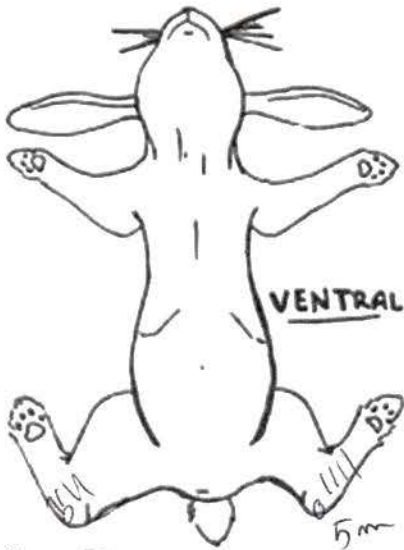
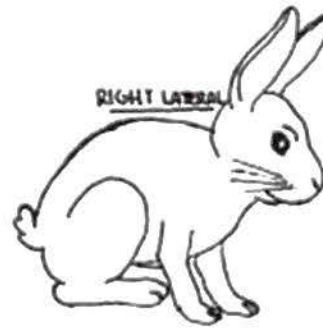
part ~~2~~

3

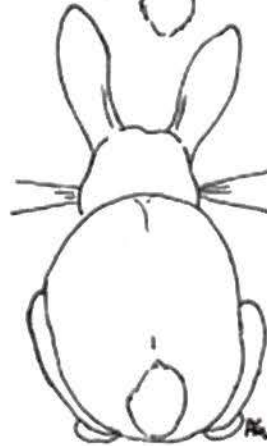
More fur but thin  
no mats  $\Rightarrow$  better fur  
coverage?

Wyatt

Mon  
10/19/2020



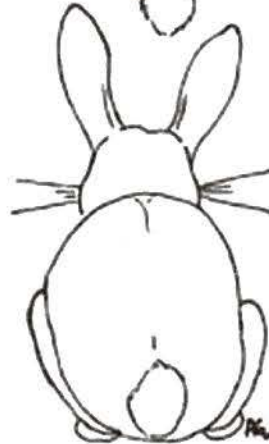
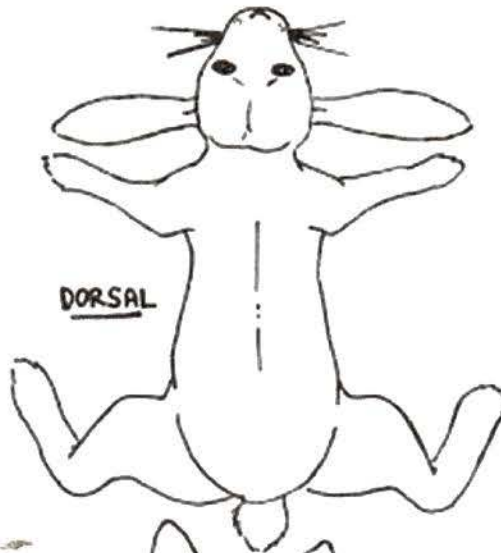
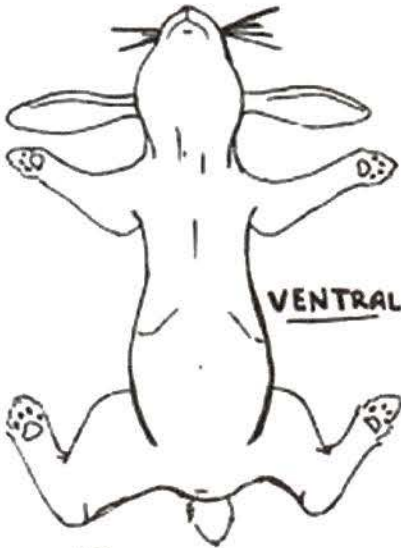
Lots of  
lean 3mm  
fur



WYATT

WED  
8/26

TUES  
8/25



Maxal Animal Clinic, Inc. 420 Ulukou Street, Kaliua, HI 96734 808-262-9621

WYATT

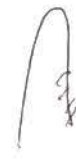
8/26/2020

WT = 3.62 kg

7/27/20 - last ✓ = mats everywhere



mats on side of foot



no mats much cleaner  
= for  
still thin at sides

WYATT

WED  
8/26

TUES  
8/25

~~LOG~~  
BUP + COPY

# RABBIT SEDATION AND ANESTHESIA

- Date 8/26/2020
- Rabbit name WYATT
- Rabbit # \_\_\_\_\_
- Weight 3.62
- Procedure Cc/ Clean/ Nails/ Rev
- Options:
  - Midazolam 0.2- 0.5 mg/kg (max 1 mg/kg for profound sedation) with Buprenorphine 0.01- 0.05 mg/kg
  - Buprenorphine by itself 0.01- 0.05 mg/kg
  - Midazolam and buprenorphine and ketamine (ket at 2 mg/kg- 5 mg/kg)
  - Reversal (midazolam) Flumazenil at 0.05 to 0.1 mg/kg SQ IM IV
- Start at Midazolam 0.25 mg/kg and Buprenorphine 0.02 mg/kg
- VIN rabbit sedation- start at Midazolam 0.3 mg/kg and buprenorphine 0.03 mg/kg
  - Reversal- Flumazenil \_\_\_\_\_ mg/kg x \_\_\_\_\_ kg= \_\_\_\_\_ mg
    - \_\_\_\_\_ mg x 1 ml/ 0.1 mg= \_\_\_\_\_ mls

~~Detip~~

~~Delean~~

~~Nails~~

~~MAP / Rev~~

~~Log BUP~~

Plan - Rev  
1-2 months  
much cleaner +  
more fun

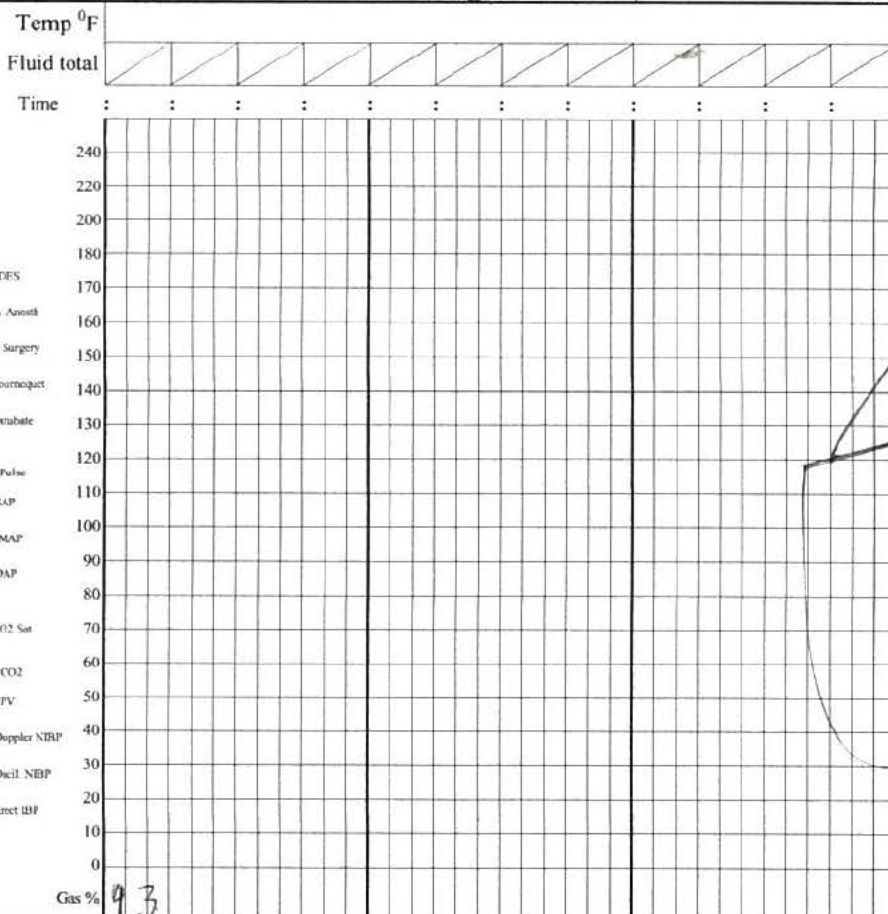
- | Doses  | TIME |
|--|------|
| <input type="checkbox"/> Midazolam 0.1 mg/kg x _____ kg= _____ mg                              |      |
| <input type="checkbox"/> _____ mg x 1 mg/ml= _____ ml AT _____                                 |      |
| <input type="checkbox"/> Midazolam 0.2 mg/kg x _____ kg= _____ mg                              |      |
| <input type="checkbox"/> _____ mg x 1 mg/ml= _____ ml AT _____                                 |      |
| <input type="checkbox"/> Midazolam 0.3 mg/kg x _____ kg= _____ mg                              |      |
| <input type="checkbox"/> _____ mg x 1 mg/ml= _____ ml AT _____                                 |      |
| <input checked="" type="checkbox"/> Buprenorphine 0.01 mg/kg x <u>3.62</u> kg= <u>0.036</u> mg |      |
| <input checked="" type="checkbox"/> <u>0.036</u> mg x 1 ml/0.3 mg= <u>0.12</u> ml AT _____     |      |
| <input checked="" type="checkbox"/> Buprenorphine 0.02 mg/kg x <u>3.62</u> kg= <u>0.07</u> mg  |      |
| <input checked="" type="checkbox"/> <u>0.07</u> mg x 1 ml/0.3 mg= <u>0.24</u> ml AT _____      |      |
| <input checked="" type="checkbox"/> Buprenorphine 0.03 mg/kg x <u>3.62</u> kg= <u>0.108</u> mg |      |
| <input checked="" type="checkbox"/> <u>0.108</u> mg x 1 ml/0.3 mg= <u>0.36</u> ml AT _____     |      |
| <input type="checkbox"/> Ketamine _____ mg/kg x _____ kg= _____ mg                             |      |
| <input type="checkbox"/> _____ mg x 1 ml/ 100 mg= _____ ml AT _____                            |      |
| <input type="checkbox"/> Isoflurane at _____   |      |
| <input type="checkbox"/> Saline= 100 mls/ kg/ day approx                                       |      |
| <input checked="" type="checkbox"/> 100 mls x <u>3.62</u> kg= <u>362</u> mls saline            |      |
| at _____ Admin 100 - 200 mls SQ  |      |



order 15. drop  
primary set in line

3.80 kg

Please X all meds when given		Anesthesia Record		Date 7/27/2020
E Sheet Printed? Yes No				
Client	Animal	Surgeon	Anesthesia Technicians	Procedures
	Myatt	L. Jarrell		sedate/anes
Body Weight	3.80 Kg	MM Color/CRT/Pulse	Physical Status	clip/clean
			E G F P C	
Species	Rabbit NZW	Age/Sex	Mental Status	Lab Tests - List pertinent abnormalities below
		MI		none; if any a
Premed Drugs, Dose, Route, Time		Premed Effect		
Ketamine 5mg/kg SQ		11:51 AM		
Buprenorphine 0.03mg/kg SQ		11:15 AM		
Induction Agent	Amount Drawn Up	Route	Unused Amount	
Iso	12:14			
Drug, Dose, Route, Time	Drug, Dose, Route, Time	Drug, Dose, Route, Time	Drug, Dose, Route, Time	
Inhalant use - Isoflurane / Sevoflurane / None	Inhalant System	Reservoir Bag Size	ET Tube Size	
	Adult Circle / Ped Circle / Bain W/Block			
IV Catheter Size	IV Fluid Type	Total Fluids Given	Comments/Alerts	
	Saline	~ 100 ml SQ		



Notes

Ketamine  
 $5 \text{ mg/kg} \times 3.8 \text{ kg} = 19 \text{ mg}$   
 $19 \text{ mg} \times \frac{1 \text{ ml}}{100 \text{ mg}} = 0.19 \text{ ml}$

Buprenorphine Bottle 1  
 $0.03 \text{ mg/kg} \times 3.8 \text{ kg} = 0.11 \text{ mg}$   
 $0.11 \text{ mg} \times \frac{1 \text{ ml}}{0.3 \text{ mg}} = 0.38 \text{ ml}$

Saline 50 (25) 100 ml/kg SQ  
 100 ml  
 ~ 100 ml  
 Drew up both, Mixed & wasted into trash so can use

Recovery Notes	T, P, R	MM, CRT	Post OP Meds Dose/Route/Time
12:14 19 23 28 35 40			Buprenorphine

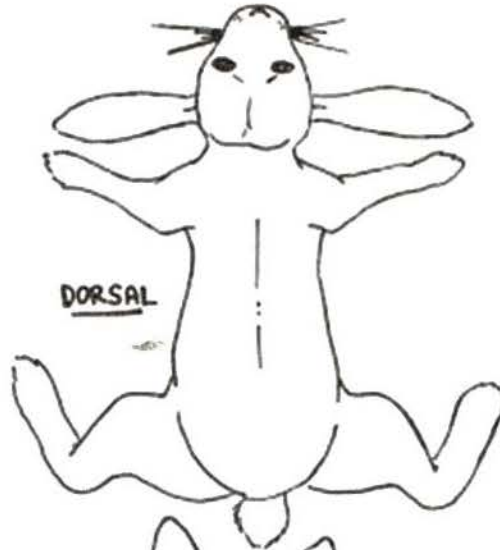
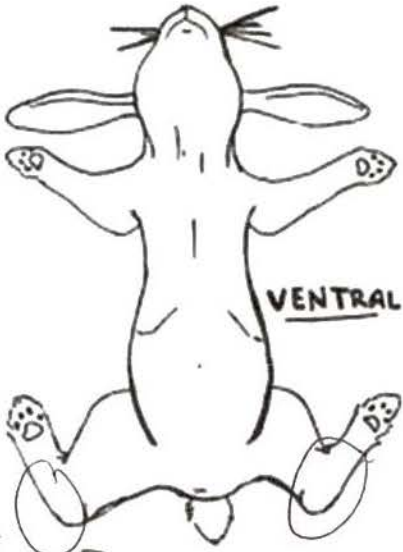
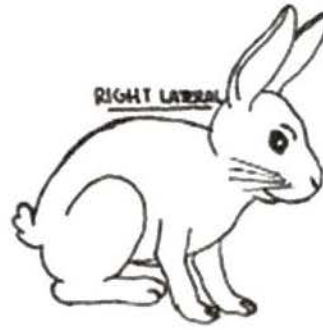
13:15 awake  
not sedated at all

Instead used Buprenorphine

ONLY 0.03 mg/kg = 0.38 ml SQ @ 11:51 AM SQ

7/27/2020

Wyatt 7/27/2020



giant  
mats →  
mats everywhere

feet  
OK

but not  
much  
FUR



Matal Animal Clinic, Inc. 420 Uluhi Street, Kailua, HI 96734 808-262-9621

Wyatt 7/27/2020

order 15. drug/ml  
primary set IV line

3.80 kg

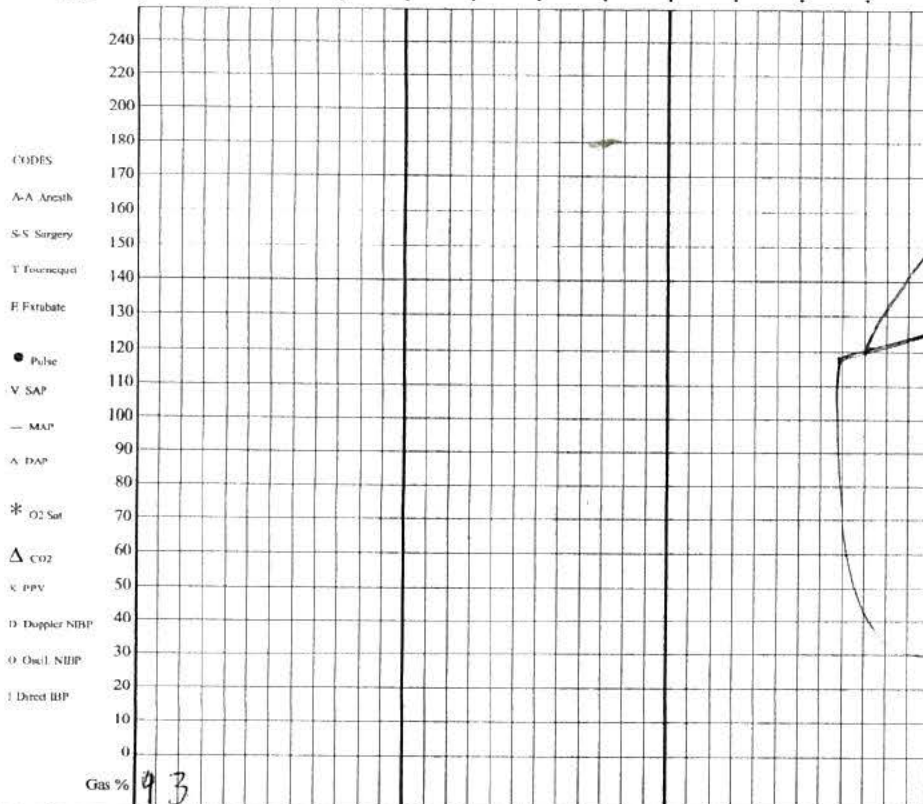
Please X all meds when given			Anesthesia Record		Date 7/27/2020
Client	Animal	Surgeon	Anesthesia Technicians		Procedures
	Myatt	L. Jarrell			sedate/anes
Body Weight	3.80 (Kg/Lbs)	MM-Cofon/CRT/Pulse	Physical Status	E G F P C	clip/clean
Species	Rabbit NZW	Age/Sex	Mental Status		Lab Tests - List pertinent abnormalities below
		MI			none, if any a
Premed Drugs, Dose, Route, Time			Premed Effect		
Ketamine 5mg/kg SQ			11:51 AM		teary bite
Buprenorphine 0.03 mg/kg SQ			11:15 AM		
Induction Agent	12:14	Amount Drawn Up	Route		Unused Amount
Iso					
Drug, Dose, Route, Time		Drug, Dose, Route, Time	Drug, Dose, Route, Time		Drug, Dose, Route, Time
Inhalant use - Isoflurane / Sevoflurane / None	Inhalant System	Reservoir Bag Size	ET Tube Size		
	Adult Circle / Ped Circle / Bain W/Block				
IV Catheter Size	IV Fluid Type	Total Fluids Given	Comments/Alerts		
	Saline 400	~ 100 ml SQ			

Temp °F

Fluid total

Time

Notes



Ketamine

5 mg/kg x 3.8 kg = 19 mg

19 mg x  $\frac{1 \text{ ml}}{100 \text{ mg}} = 0.19 \text{ ml}$

Buprenorphine Bottle 1

0.03 mg/kg x 3.8 kg = 0.11 mg

0.11 mg x  $\frac{1 \text{ ml}}{0.3 \text{ mg}} = 0.38 \text{ ml}$

Saline 50 (25) 100 ml/kg SQ

190 ml

~ 100 ml

Drew up both, Mixed & wasted into trash so can use

Am

Buprenorphine only

Instead used Buprenorphine

only 0.03 mg/kg = 0.38 ml SQ @ 11:51 AM SQ

7/27/2020

13:15 awake  
not sedated at all



## Jarrell, Leslie

---

**From:** Jarrell, Leslie  
**Sent:** Thursday, February 20, 2020 3:02 PM  
**To:** [REDACTED]  
**Cc:** Graff, Jaimie; [REDACTED]  
**Subject:** RE: Rabbits - Updates from Feb 20 2020

Wyatt  
109

Hi all,  
Here are some updates on rabbit feet!

- Tex # 101
  - Weight 08/09/18= 4.10 kg, 07/19/18 = 4.16 kg, 4/11/19= 4.18 kg, 5/6/19 = 4.16 kg, Weight 11/18/19= 4.20 kg, Weight 2/20/2020= 4.10 kg.
    - Suspect dental disease, will continue to monitor.
    - 5/19= Mild to moderate Pododermatitis- Left and right hind feet have alopecia on plantar surface and alopecia area around 6 mm at point of hock, Some mats inguinal
  - Mild pododermatitis
    - 9/26/19= Medium amount of fur, dirty feet, pencil sized areas of alopecia at both point of hocks and rectangular area alopecia adjacent
    - 11/22/19= Mild alopecia about size of pencil eraser, no scabs, both hind feet, with small rectangular areas on pedal surface of both hind feet
    - 02/20/2020= Mild pododermatitis, hocks with rectangular area of very mild alopecia bilaterally, left hind has small scab on pencil eraser size alopecia at point of hock, feet furry and clean
  - Recheck- early to mid- March
- Leo #102
  - Weight 08/09/18= 4.10 kg, weight 07/19/18= 4.22 kg, weight 4/12/19= 4.02 kg, weight 11/25/19= 4.02 kg, Weight 02/18/2020= 3.90 kg.
  - Mild pododermatitis
    - 5/23/19= Much cleaner. Both hind feet clean and furred, alopecia remains, no scabs
    - 9/26/19- well furred feet, clean, thin fur on left hind, Very mild pododermatitis
    - 11/25/19= Well furred on both feet, both feet clean, tiny spots of alopecia on points of hock only
    - 02/20/2020= Alopecia, very mild, rectangular shape near point of hock, both feet
  - Mats on left hip and near tail- clip next week
  - Concern re dental disease.
  - Recheck March- April 2020
- Jasper #104
  - Weight 08/09/18= 3.86 kg, weight 07/19/18 = 3.98 kg, weight 4/5/19 = 3.72 kg, Weight 3.66 kg, Weight 2/13/2020= 3.70 kg, 02/18/2020= 3.78 kg.
  - Mild pododermatitis,
  - 5/19= Fur on feet is clean and fluffy
    - Left hind alopecia about 3 mm diameter on point of hock
    - Right hind alopecia around 6 mm diameter at point of hock
    - 9/26/19= well furred clean feet, tiny alopecia area point of both hocks
    - 11/25/19= Very well furred, and clean, both feet, 1 small spot of alopecia on left hind foot
    - 02/13/2020= Both hind feet very clean and well furred, right hock small pencil eraser sized alopecia, barely visible
  - Recheck end March- end April

- Trixie #105
  - Weight 08/09/18= 4.90 kg, weight 07/19/18= 4.66 kg, weight 4/11/19= 4.92 kg, 11/22/19 weight=, Weight 2/13/2020= 4.80 kg, 2/18/2020= 4.78 kg.
  - Mild – moderate pododermatitis
    - 5/23/19= Mats at tail, clipped. Left hind foot- fur is clean but thin, 3 mm alopecia area, right hind foot- fairly clean fur, small scab at point of hock, alopecia area larger than pencil eraser
    - 9/26/19- left hind has small amount alopecia and small scab at point of hock, right hind clean, mild alopecia
    - 11/22/19= Left hind foot furred, no alopecia, right hind foot has pink area of alopecia, no scabs
    - 02/13/2020= Fur is thin over a rectangle area on R hock. Pencil eraser size alopecia at both hocks. Fur is clean. Few small mats near tail. Clip mats next week.
  - Recheck March- April 2020
- Daisy #108
  - Weight 08/09/18= 4.22 kg, weight 7/19/18= 4.28 kg, Weight 4/5/19= 4.04 kg, Weight 11/25/19= 3.74 kg, Weight 2/13/2020= 3.80 kg, Weight 2/18/2020= 3.80 kg.
  - Mild pododermatitis
    - Feet are clean and well furred, mild alopecia size of pencil eraser, no scabs, at point of hock
    - 11/25/19= Hind feet both well furred and clean, mild pink alopecia on both points of hocks
    - 2/13/2020= Hind feet both well furred and clean, mild pink alopecia both points of hocks, smaller than pencil eraser
  - Recheck in March- April
  - Monitor weight.
- Wyatt Earp # 109
  - Weight 4/5/19= 3.36 kg, Weight= 11/22/19= 3.62 kg, Weight 02/18/2020= 3.70 kg
  - Mild pododermatitis
    - 5/19- Both hind feet have 3- 5 mm diameter circular alopecia lesions at points of hock
    - No scabs
    - 9/26/19- Left hind foot fur is dirty, mild alopecia less than diameter of pencil eraser both sides
    - 11/22/19= Very dirty fur on both feet, few mats rear legs and tail
    - 02/20/2020= Well furred and clean both hind feet, slight alopecia only over rectangular area on both hocks, superficial mats on right lateral knee and foot, clip next week
  - Increase exercise and time in pen
  - 12/19/19- isoflurane and oxygen anesthesia for clipping mats on tail base and rear legs
  - Recheck April
- Doc Holliday # 110
  - Weight 4/5/19= 3.20 kg, weight 11/22/19= 3.5 kg, Weight 3/18/2020= 3.64 kg.
  - Nervous- unable to check feet previously.
  - Continue- work on socializing to handling and exam
  - 11/22/19= finally able to check his feet for the first time! Great job! Right hind foot slightly pink, but well furred
  - 02/20/2020- Well furred, brief look only, but doing well with exam! Good job! Few mats on tail. May need to anesthetize to clip mats.
  - Recheck next week for mats and recheck feet March- April.
- Johnny Ringo #111
  - Weight 4/5/19= 3.32 kg, Weight 11/25/19= 3.54 kg, Weight 2/13/2020= 3.34 kg, Weight 2/18/2020= 3.50 kg.
  - Very mild pododermatitis
    - Both hind feet have circular alopecia at point of hock, around 3-4 mm diameter



- 9/26/19- look great
- 11/25/19= Very well furred on both feet, was good with exam
- 2/13/2020= unable to examine feet.
- 2/20/2020= Unable to examine feet. Super nervous. Mats around tail base and under tail. Need to anesthetize to clip mats, and then work on handling more.
- Clip mats next week under anesthesia, recheck feet 1 month- 2 months.

- **Recommendations**

- Exercise pen;
  - All rabbits need 4+ hours in exercise pen, and 2 rotations per week
  - **For the exercise room, only use the irradiated hay from Bio-Serv**

- **Rabbit feed**

- Completely discontinue all Kaytee brand hay
- Use only Oxbow hay in the housing room
  - Please, if all hay could be ordered online, that would be best case scenario
- All rabbits should have unlimited grass hay= timothy, orchard grass, meadow grass

Thanks very much,  
Leslie

**From:** Jarrell, Leslie

**Sent:** Friday, December 27, 2019 1:04 PM

**To:** [REDACTED]

**Cc:** Graff, Jaimie <Graff.Jaimie@epa.gov>; [REDACTED]

**Subject:** RE: Rabbits - Updates from Nov 25 2019 and Dec 19 2019

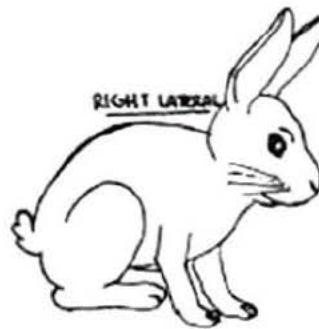
Hi all,  
We did several rechecks in between too.

- Tex # 101

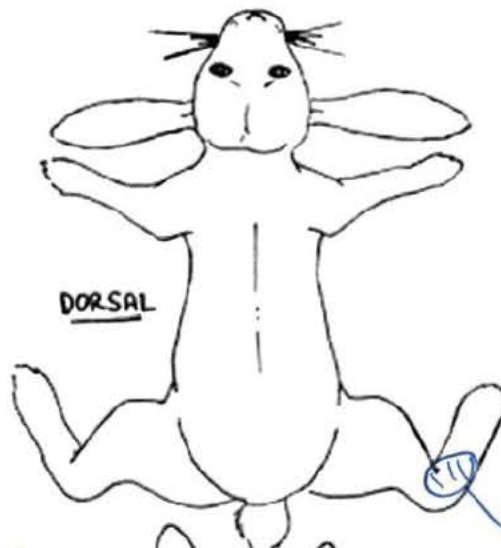
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- 9/26/19= Medium amount of fur, dirty feet, pencil sized areas of alopecia at both point of hocks and rectangular area alopecia adjacent
- 11/22/19= Mild alopecia about size of pencil eraser, no scabs, both hind feet, with small rectangular areas on pedal surface of both hind feet
- Recheck- early January

- Leo #102

- Weight 08/09/18= 4.10 kg, weight 07/19/18= 4.22 kg, weight 4/12/19= 4.02 kg, weight 11/25/19= 4.02 kg
- Mild pododermatitis



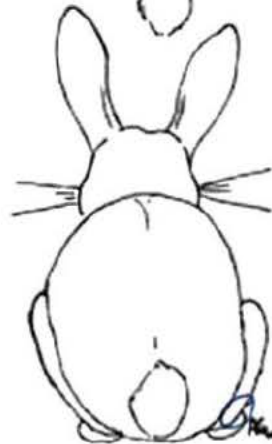
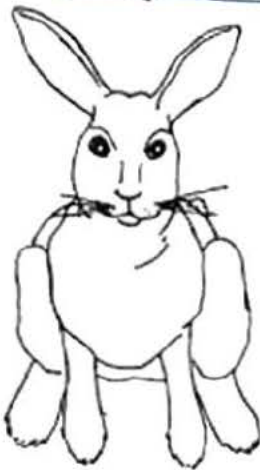
2/25/2020  
 Clip mats  
 on (F) hind  
 leg ☒  
 J. Jones



→  
 well  
 furred  
 +  
 clean

slight  
 alopecia  
 only

mats but  
 superficial  
 +  
 brushed



Kistal Animal Clinic, Inc. 420 Ukulu Street, Kauai, HI 96734 808-262-9621

Wyatt 109

02/20/2020

2/18/2020  
 3.70kg

no pododematis

AHR Number: 20023

Close Date: 1/30/20

Room: A 486B

## US EPA RTP Campus Animal Health Report

Number: 20023

Date Found: 01/30/20

Time Found: 10:35am

Found by:

Room: A486B

Investigator:

LAPR#: 22-04-001

Species/Strain: Rabbit/NZW

Sex: Male

DOB: 05/05/18

Bred:

Date Received: 08/02/18

Animal ID/Cage: Wyatt # 109

Small amount of blood and redness on nose.

Fighting during exercise time (through play fence)

### Treatment Sheet Needed?

Yes ☐ No ☒

Date Completed \_\_\_\_\_

[illegible]

Rev 10-2019

L

BARH = Bright, Alert, Responsive, Hydrated

TAO = Triple Antibiotic Ointment

SID = Once daily; BID = Twice daily

ATTACH ANY TREATMENT SHEETS TO RECORD AFTER CLOSURE



Wyatt 109

**Jarrell, Leslie**

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**From:** Jarrell, Leslie  
**Sent:** Friday, December 27, 2019 1:04 PM  
**To:** [REDACTED]  
**Cc:** Graff, Jaimie; [REDACTED]  
**Subject:** RE: Rabbits - Updates from Nov 25 2019 and Dec 19 2019

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We did several rechecks in between too.

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    - 5/19= Mild to moderate Pododermatitis
      - Left and right hind feet have alopecia on plantar surface and alopecia area around 6 mm at point of hock, Some mats inguinal
  - 9/26/19= Medium amount of fur, dirty feet, pencil sized areas of alopecia at both point of hocks and rectangular area alopecia adjacent
  - 11/22/19= Mild alopecia about size of pencil eraser, no scabs, both hind feet, with small rectangular areas on pedal surface of both hind feet
  - Recheck- early January
- Leo #102
  - Weight 08/09/18= 4.10 kg, weight 07/19/18= 4.22 kg, weight 4/12/19= 4.02 kg, weight 11/25/19= 4.02 kg
  - Mild pododermatitis
    - 5/23/19= Much cleaner. Both hind feet clean and furred, alopecia remains, no scabs
    - 9/26/19- well furred feet, clean, thin fur on left hind
  - Very mild pododermatitis now
  - 11/25/19= Well furred on both feet, both feet clean, tiny spots of alopecia on points of hock only.
  - Recheck end of January
- Jasper #104
  - Weight 08/09/18= 3.86 kg, weight 07/19/18 = 3.98 kg, weight 4/5/19 = 3.72 kg, Weight 3.66 kg
  - Mild pododermatitis,
  - 5/19= Fur on feet is clean and fluffy
    - Left hind alopecia about 3 mm diameter on point of hock
    - Right hind alopecia around 6 mm diameter at point of hock
  - 9/26/19= well furred clean feet, tiny alopecia area point of both hocks
  - 11/25/19= Very well furred, and clean, both feet, 1 small spot of alopecia on left hind foot
  - Recheck end of January
- Trixie #105
  - Weight 08/09/18= 4.90 kg, weight 07/19/18= 4.66 kg, weight 4/11/19= 4.92 kg, 11/22/19 weight=
  - Mild – moderate pododermatitis
    - 5/23/19= Mats at tail, clipped. Left hind foot- fur is clean but thin, 3 mm alopecia area, right hind foot- fairly clean fur, small scab at point of hock, alopecia area larger than pencil eraser

- 9/26/19- left hind has small amount alopecia and small scab at point of hock, right hind clean, mild alopecia
  - 11/22/19= Left hind foot furred, no alopecia, right hind foot has pink area of alopecia, no scabs
  - Recheck early January
- Daisy #108
  - Weight 08/09/18= 4.22 kg, weight 7/19/18= 4.28 kg, Weight 4/5/19= 4.04 kg, Weight 11/25/19= 3.74 kg
  - Mild pododermatitis
    - Feet are clean and well furred, mild alopecia size of pencil eraser, no scabs, at point of hock
    - 11/25/19= Hind feet both well furred and clean, mild pink alopecia on both points of hocks
  - Recheck in end Jan
- Wyatt Earp # 109
  - Weight 4/5/19= 3.36 kg, Weight= 11/22/19= 3.62 kg
  - Mild pododermatitis
    - 5/19- Both hind feet have 3- 5 mm diameter circular alopecia lesions at points of hock
    - No scabs
    - 9/26/19- Left hind foot fur is dirty, mild alopecia less than diameter of pencil eraser both sides
    - 11/22/19= Very dirty fur on both feet, few mats rear legs and tail
  - Increase exercise and time in pen
  - 12/19/19- isoflurane and oxygen anesthesia for clipping mats on tail base and rear legs
  - Recheck early January
- Doc Holliday # 110
  - Weight 4/5/19= 3.20 kg, weight 11/22/19= 3.5 kg
  - Nervous- unable to check feet previously.
  - Continue- work on socializing to handling and exam
  - 11/22/19= finally able to check his feet for the first time! **Great job** Right hind foot slightly pink, but well furred
  - Recheck early January
- Johnny Ringo #111
  - Weight 4/5/19= 3.32 kg, Weight 11/25/19= 3.54 kg
  - Very mild pododermatitis
    - Both hind feet have circular alopecia at point of hock, around 3-4 mm diameter
  - 9/26/19- look great
  - 11/25/19= Very well furred on both feet, was good with exam
  - Recheck end of January
- **Recommendations**
  - Exercise pen;
    - All rabbits need 4+ hours in exercise pen, and 2 rotations per week
    - **For the exercise room, only use the irradiated hay from Bio-Serv**
- **Rabbit feed**
  - Completely discontinue all Kaytee brand hay
  - Use **only Oxbow hay** in the housing room
    - Please, if all hay could be ordered online, that would be best case scenario
  - All rabbits should have **unlimited** grass hay= timothy, orchard grass, meadow grass



Jarrell, Leslie

Wyatt

109

**From:** Jarrell, Leslie  
**Sent:** Thursday, December 19, 2019 12:48 PM  
**To:** [REDACTED]  
**Cc:** [REDACTED]; Graff, Jaimie; [REDACTED]  
**Subject:** RE: Rabbit- anesthesia and clip- update

Hi [REDACTED]  
So far so good. [REDACTED] and I anesthetized Wyatt with isoflurane and oxygen, and clipped mats on his tail base, belly and perineum. Administered a little Silvadene on Wyatt's scrotum - the skin was a little inflamed from the mats that were nearby (but not on his scrotum). Wyatt woke up quickly. He recovered with [REDACTED] holding him, so it was smooth. He was back in his cage and hopping around, grooming.

Great job [REDACTED]

We will recheck him in 2-4 weeks.

Thanks very much,  
Leslie

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**From:** [REDACTED]  
**Sent:** Wednesday, December 18, 2019 1:09 PM  
**To:** Jarrell, Leslie <Jarrell.Leslie@epa.gov>  
**Subject:** RE: Rabbit- anesthesia and clip

yes

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**From:** Jarrell, Leslie <Jarrell.Leslie@epa.gov>  
**Sent:** Wednesday, December 18, 2019 1:02 PM  
**To:** [REDACTED]  
**Cc:** [REDACTED]; Graff, Jaimie <Graff.Jaimie@epa.gov>; [REDACTED]  
**Subject:** RE: Rabbit- anesthesia and clip

Hi [REDACTED]  
Will do. Always makes me nervous but I think he really needs these mats removed. We are planning for tomorrow morning sometime. Is that OK with you?

Thanks,  
Leslie

---

**From:** [REDACTED]  
**Sent:** Wednesday, December 18, 2019 8:48 AM  
**To:** Jarrell, Leslie <Jarrell.Leslie@epa.gov>  
**Subject:** RE: Rabbit- anesthesia and clip

Ok - keep him on the light side

From: Jarrell, Leslie <Jarrell.Leslie@epa.gov>

Sent: Tuesday, December 17, 2019 3:36 PM

To: [REDACTED]

Cc: [REDACTED]

Graff, Jaimie <Graff.Jaimie@epa.gov>; [REDACTED]

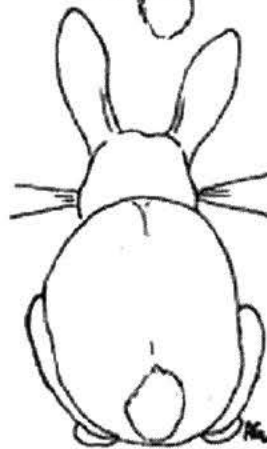
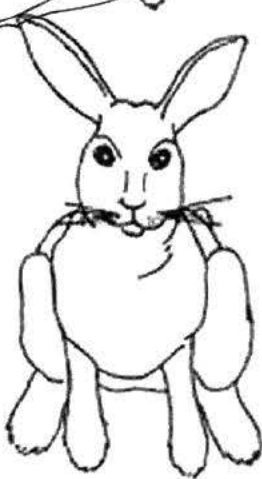
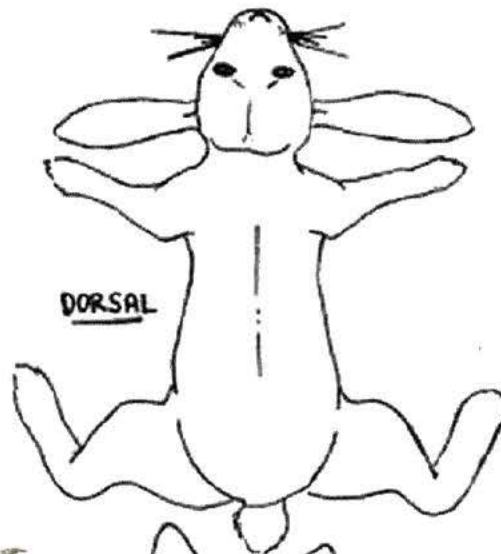
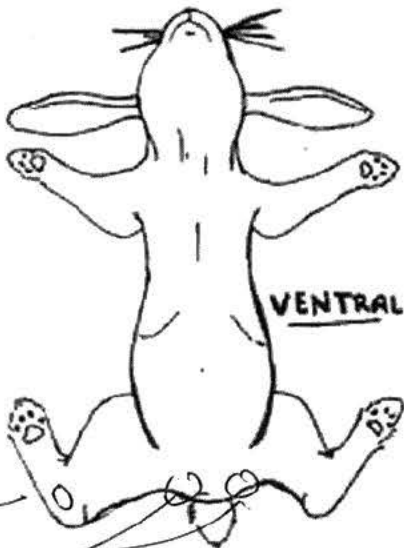
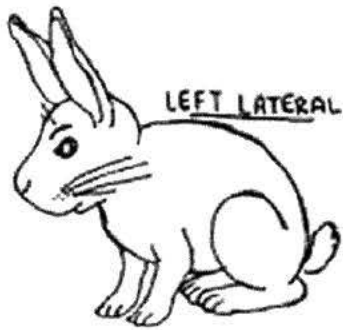
**Subject:** Rabbit- anesthesia and clip

Hi [REDACTED]

Hope you are doing well. We've been checking rabbit feet recently. Everyone is looking pretty good! However, Wyatt has some mats around his tail and under his tail. He's been very good with the clippers for most of the mats, but some are in sensitive areas. If OK with you, I'd like to anesthetize him with isoflurane to clip the mats and clean him up a little. There's always a risk for anesthesia- including death. But I think it will go OK, and also would be short. Please let me know?

Thanks,  
Leslie

Jesh



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11/22/19 Wyatt 109

weighr 3.62 kg 11/18/19

Per ~ 2-4 weeks  
mild - moderate pododermatitis

## Jarrell, Leslie

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**From:** Jarrell, Leslie  
**Sent:** Tuesday, November 29, 2022 3:57 PM  
**To:** [REDACTED]  
**Cc:** Graff, Jaimie; [REDACTED]  
**Subject:** Rabbits - update 11292022

Hi all,

[REDACTED] and I did the rabbits' exams on Nov 17, 2022.

1. Jasper 104. DOB 5/7/14. Weight 11/21/22= 3.81 kg, Weight 11/21/21= 3.65 kg, Weight 4/26/21= 3.66 kg, Weight 4/27/2020= 3.96 kg. Bright, alert, responsive and hydrated. **Pinpoint scabs** at both sides of face on cheeks, no alopecia, no pruritus. Very mild pododermatitis both hind feet. Fur is thin but clean on ventral surface of feet. 1 cm diameter subcutaneous mass, freely movable, right lateral chest. Perineum slightly pink but not inflamed. Monitor.
2. Wyatt 109. DOB 5/5/18. Weight 11/21/22= 4.16 kg, Weight 11/21/21= 3.84 kg, Weight 4/26/21= 3.66 kg. Weight 4/27/2020= 3.68 kg. Bright, alert, responsive and hydrated. **Pinpoint scabs** at both sides of face on cheeks, no alopecia, no pruritus. Mild pododermatitis right hind foot. Feet are well furred and clean. Small circle of alopecia only 2 mm diameter circle at point of hock right foot only.
3. Doc 110. DOB 5/5/18. Weight 11/21/22= 3.52 kg, Weight 11/21/21= 3.49 kg, Weight 4/26/21= 3.44 kg, Weight 4/27/2020= 3.34 kg. Bright, alert, responsive and hydrated. **Pinpoint scabs** at both sides of face on cheeks, no alopecia, no pruritus. Right ear pinna has healed old wound from bite, with skin tag, healed well. Mild pododermatitis both hind feet. Clean, well furred feet. Small circle of alopecia 2 mm diameter circle at point of hock right hind and about 4 mm diameter on left hind.
4. Johnny 111. DOB 5/5/18. Weight 11/21/22= 3.69 kg, Weight 11/21/21= 3.46 kg, Weight 4/26/21= 3.53 kg. Weight 4/27/2020= 3.48 kg. Bright, alert, responsive and hydrated. Mild pododermatitis both hind feet. Very clean, well furred feet. Small circle of alopecia 2 mm diameter circle at point of hock right foot only.

### Notes;

- Wyatt has gained weight. Recommend decrease his pellets by  $\frac{1}{4}$  cup per day
- Suspect Cheyletiella mites. Jasper, Doc and Johnny have localized areas with small scabs with tufts of fur attached, only around jaws. No alopecia or lesions at mouth/ lip commissures or genitalia. We looked carefully at lesions but did not see any mites moving. Did not see mites on slides of tape tests either.
- Cheyletiella mites are generally species specific. However the rabbit species, *Cheyletiella parasitivorax*, prefers rabbits but can affect other species (dog, cat, people) and is zoonotic. Transmission; direct animal to animal or fomites.
- Today we took some fur samples w scabs for ectoparasite testing at IDEXX. Ordering selamectin for treatment. I will treat the rabbits even if tests come back negative, as mites are not always seen in all samples. Cheyletiella infestation can be asymptomatic. I don't expect issues with either having mites or treatment with topical selamectin.

Thanks very much,  
Leslie



## Jarrell, Leslie

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**From:** Jarrell, Leslie  
**Sent:** Friday, October 18, 2019 1:17 PM  
**To:** [REDACTED]  
**Cc:** Graff, Jaimie; [REDACTED]  
**Subject:** RE: Rabbits - Updates from Sept 26 2019

**Follow Up Flag:** Follow up  
**Flag Status:** Flagged

Wyatt 109

Hi all,

We did several rechecks in between. Here are the latest rechecks. Will need to do a few rechecks early- mid Nov/ Dec.

- Tex # 101
  - Weight 08/09/18= 4.10 kg, 07/19/18 = 4.16 kg, 4/11/19= 4.18 kg, 5/6/19 = 4.16 kg.
    - I had suspected some dental disease, will continue to monitor.
    - 5/19= Mild to moderate Pododermatitis
      - Left and right hind feet have alopecia on plantar surface and alopecia area around 6 mm at point of hock
    - Some mats inguinal
  - 9/26/19= Medium amount of fur, dirty feet, pencil sized areas of alopecia at both point of hocks and rectangular area alopecia adjacent
  - Recheck late Oct- early Nov
- Leo #102
  - Weight 08/09/18= 4.10 kg, weight 07/19/18= 4.22 kg, weight 4/12/19= 4.02 kg
  - Mild pododermatitis
    - 5/23/19= Much cleaner. Both hind feet clean and furred, alopecia remains, no scabs
    - 9/26/19- well furred feet, clean, thin fur on left hind
  - Recheck end Nov
- Jasper #104
  - Weight 08/09/18= 3.86 kg, weight 07/19/18 = 3.98 kg, weight 4/5/19 = 3.72 kg
  - Mild pododermatitis,
  - 5/19= Fur on feet is clean and fluffy
    - Left hind alopecia about 3 mm diameter on point of hock
    - Right hind alopecia around 6 mm diameter at point of hock
  - 9/26/19= well furred clean feet, tiny alopecia area point of both hocks
  - Recheck Nov- Dec
- Trixie #105
  - Weight 08/09/18= 4.90 kg, weight 07/19/18= 4.66 kg, weight 4/11/19= 4.92 kg
  - Mild – moderate pododermatitis
    - 5/23/19= Mats at tail, clipped. Left hind foot- fur is clean but thin, 3 mm alopecia area, right hind foot- fairly clean fur, small scab at point of hock, alopecia area larger than pencil eraser
    - 9/26/19- left hind has small amount alopecia and small scab at point of hock, right hind clean, mild alopecia
  - Recheck mid- end Nov
- Daisy #108



- Weight 08/09/18= 4.22 kg, weight 7/19/18= 4.28 kg, Weight 4/5/19= 4.04 kg
- Mild pododermatitis
  - Feet are clean and well furred, mild alopecia size of pencil eraser, no scabs, at point of hock
- Recheck in end Nov

- Wyatt Earp # 109

- Weight 4/5/19= 3.36 kg
- Mild pododermatitis
  - 5/19- Both hind feet have 3- 5 mm diameter circular alopecia lesions at points of hock
  - No scabs
  - 9/26/19- Left hind foot fur is dirty, mild alopecia less than diameter of pencil erase both sides.
- Increase exercise and time in pen
- Bathe well , especially left hind foot
- Recheck Nov

- Doc Holliday # 110

- Weight 4/5/19= 3.20 kg
- Nervous- unable to check feet.
- Continue- work on socializing to handling and exam
- Recheck end Oct- mid Nov

- Johnny Ringo #111

- Weight 4/5/19= 3.32 kg
- Very mild pododermatitis
  - Both hind feet have circular alopecia at point of hock, around 3-4 mm diameter
- 9/26/19- look great
- Recheck Nov/ Dec.

- **Recommendations**

- When the exercise pen is back up and running;
  - All rabbits need 4+ hours in exercise pen, and 2 rotations per week
  - **For the exercise room, only use the irradiated hay from Bio-Serv**

- **Rabbit feed**

- Completely discontinue all Kaytee brand hay
- Use **only Oxbow hay** in the housing room
  - Please, if all hay could be ordered online, that would be best case scenario
- All rabbits should have unlimited grass hay= timothy, orchard grass, meadow grass

Thanks very much,  
Leslie

From: Jarrell, Leslie

Sent: Thursday, May 23, 2019 2:17 PM

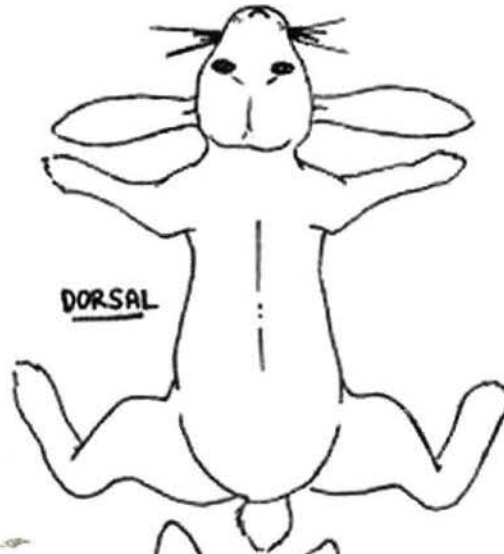
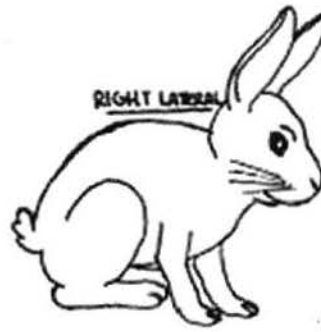
To: [REDACTED]

Cc: [REDACTED], Jaimie <Graff.Jaimie@epa.gov>; [REDACTED]

[REDACTED]

[REDACTED]

Wyatt # ~~108~~  
#109



Both sides  
&  
Dirty fur &  
no scabs  
alopecia  
smaller  
than  
crust

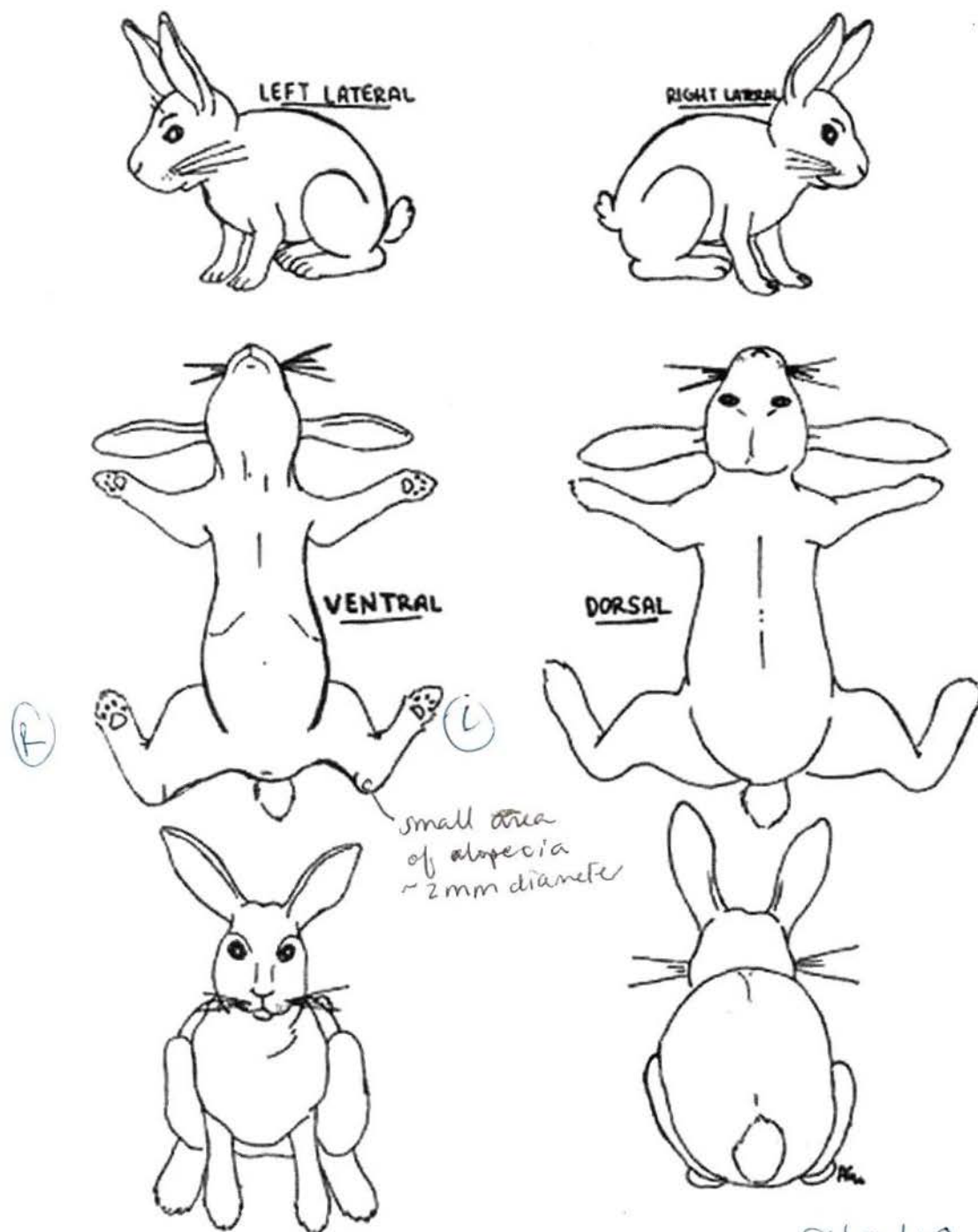


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Wyatt

Rev 9/4/19  
Rev end of nose

Wyatt  
109



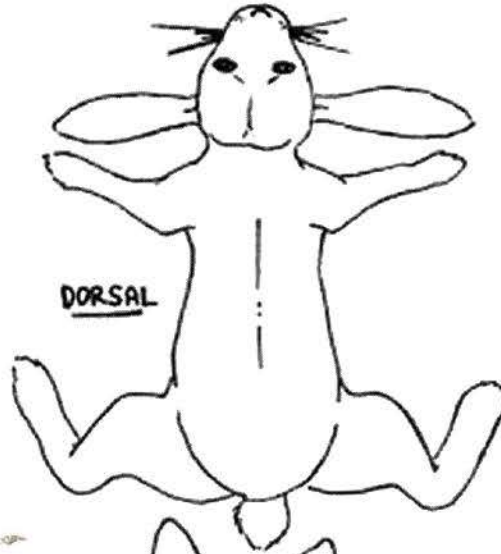
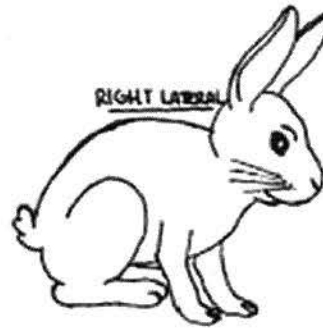
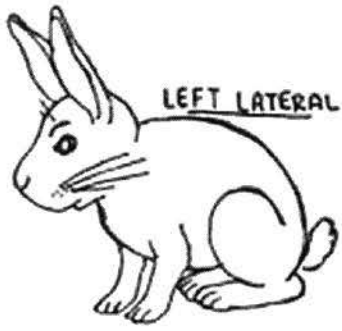
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8/8/19

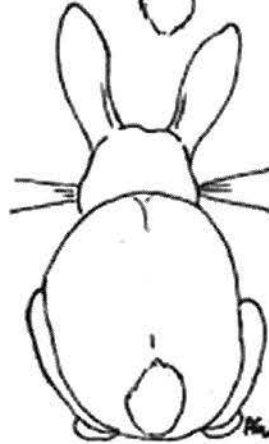
Wyatt #109

Red from 7/12 dirty fur; thin fur + alopecia

Dirty, Red ~ 1-2 months



Fur is  
dirty +  
thin  
aspects +  
pink / fur



Maral Animal Clinic, Inc. 420 Uluolu Street, Kailua, HI 96734 808-262-9621

Wyatt

7/21/19

re 2 weeks



## Jarrell, Leslie

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**From:** Jarrell, Leslie  
**Sent:** Thursday, May 23, 2019 2:17 PM  
**To:** [REDACTED]  
**Cc:** [REDACTED] Graff, Jaimie, [REDACTED]  
**Subject:** RE: Rabbits - Updates from April 19 2019  
**Follow Up Flag:** Follow up  
**Flag Status:** Flagged

Hi all,

Rabbit notes! Exams were April 5 and 12, and 2 rechecks today on Leo and Trixie. A few others will get rechecks in the next few weeks.

- Dixie # 106
  - Weight 8/10/18= 4.70 kg, 07/19/18= 4.66 kg, Weight 4/11/19= 4.80 kg
  - Mild Pododermatitis
    - Left hind foot= fur loss on plantar surface, pencil eraser size circular alopecia, no scabs
    - Right hind foot, alopecia on plantar surface, larger than pencil eraser size circular alopecia on point of hock, no scabs
  - Recheck June
  - Exercise pen when available
  - Increase timothy hay
- Leo #102
  - Weight 08/09/18= 4.10 kg, weight 07/19/18= 4.22 kg, weight 4/12/19= 4.02 kg
  - Mild pododermatitis
    - 4/12/19= Dirty fur on both hind feet, approx. 2 mm diameter alopecia areas on point of hock, no scabs
    - 5/23/19= Much cleaner. Both hind feet clean and furred, alopecia remains, no scabs
  - Recheck in about 2 months, July- Aug
- Trixie #105
  - Weight 08/09/18= 4.90 kg, weight 07/19/18= 4.66 kg, weight 4/11/19= 4.92 kg
  - Mild – moderate pododermatitis
    - 4/11/19= Fur is dirty around perineum and thighs, both hind feet have very dirty fur, left hind has a pencil eraser size area of alopecia at the point of hock.
    - 5/23/19= Mats at tail, clipped. Left hind foot- fur is clean but thin, 3 mm alopecia area, right hind foot- fairly clean fur, small scab at point of hock, alopecia area larger than pencil eraser
  - Recheck in June- May need anesthesia to clip down and wash fur on feet
- Tex # 101
  - Weight 08/09/18= 4.10 kg, 07/19/18 = 4.16 kg, 4/11/19= 4.18 kg, 5/6/19 = 4.16 kg.
    - Tex has had some weight loss but appears to be stable now.
    - I had suspected some dental disease, will continue to monitor.
    - Mild to moderate Pododermatitis
      - Left and right hind feet have alopecia on plantar surface and alopecia area around 6 mm at point of hock
    - Some mats inguinal
  - Recheck June



- Jasper #104
  - Weight 08/09/18= 386 kg, weight 07/19/18 = 3.98 kg, weight 4/5/19 = 3.72 kg
  - Mild pododermatitis, Fur on feet is clean and fluffy
    - Left hind alopecia about 3 mm diameter on point of hock
    - Right hind alopecia around 6 mm diameter at point of hock
  - Feet well furred
  - Recheck June
- Daisy #108
  - Weight 08/09/18= 4.22 kg, weight 7/19/18= 4.28 kg, Weight 4/5/19= 4.04 kg
  - Mild pododermatitis
    - Feet are clean and well furred, but Left hind has mild alopecia size of pencil eraser, no scabs, at point of hock
    - Right hind has alopecia in circular size approximately pencil eraser, no scab
  - Recheck in June
- Wyatt Earp # 109
  - Weight 4/5/19= 3.36 kg
  - Mild pododermatitis
    - Both hind feet have 3- 5 mm diameter circular alopecia lesions at points of hock
    - No scabs
  - Recheck June
- Doc Holliday # 110
  - Weight 4/5/19= 3.20 kg
  - Nervous- unable to check feet.
  - Plan- work on socializing to handling and exam
  - Recheck June to socialize
- Johnny Ringo #111
  - Weight 4/5/19= 3.32 kg
  - Very mild pododermatitis
    - Both hind feet have circular alopecia at point of hock, around 3-4 mm diameter
  - Recheck June
- **Recommendations**
  - When the exercise pen is back up and running;
    - All rabbits need 4+ hours in exercise pen, once or twice a week
    - For the exercise room, only use the irradiated hay from Bio-Serv
- **Rabbit feed**
  - Completely discontinue all Kaytee brand hay
  - Use only Oxbow hay in the housing room
    - Please, if all hay could be ordered online, that would be best case scenario
  - All rabbits should have unlimited grass hay= timothy, orchard grass, meadow grass

Thanks very much,  
Leslie

AHR Number: 19051Close Date: 5/6/19Room: A486B**NHEERL Animal Health Report**

Number: 19056  
 Date Found: 04/11/19  
 Time Found: 1:00pm  
 Found by: [REDACTED]  
 Room: A486B  
 Investigator: [REDACTED]  
 LAPR#: 19-05-003  
 Species/Strain: Rabbit/NZW  
 Sex: Male  
 DOB: 05/05/18  
 Bred:  
 Date Received: 08/02/18  
 Animal ID/Cage: 109  
 Minor lesions between the eye and left whiskers

Treatment Sheet Needed?

Yes ☐ No ☐

Date Completed \_\_\_\_\_

Date	Time	Notes	Initials
4/11/19	1:00pm	<p>S: Wyatt was paired up with Leo in the exercise pen today. <span style="background-color: black; color: black;">[REDACTED]</span> and <span style="background-color: black; color: black;">[REDACTED]</span> noted that there was fur on the floor at the exercise pen. <span style="background-color: black; color: black;">[REDACTED]</span> noted that Wyatt had small bites on the right side of his nose and hair loss on his forehead. He has a small bite on his right side of face also. The pen is split into 2 sections with metal fence type caging.</p> <p>O: Wyatt appears BARH and has lesions as above. These lesions are small around 4 mm in length and are superficial.</p> <p>A: Small superficial bite wounds and alopecia from minor fighting in exercise pen.</p> <p>P: I saw that Wyatt and Leo were also in the pen together (separated by fence) last week. While social housing is required for rabbits, I'd recommend that these 2 rabbits aren't paired up together again. Hopefully there is another rabbit that is more compatible, that can be paired with Wyatt.</p>	LJ
4/12/19	8:5a	Wyatt is BARH; Small superficial wounds are less inflamed than yesterday. Alopecia is still persistent. Wounds should heal on their own. CTM	<span style="background-color: black; color: black;">[REDACTED]</span>
4/18/19	8:30	Wyatt is BARH; Superficial bite wound on nose is healing, Hair is growing back. Small bite on right side of <del>face</del> has healed. Hair loss of forehead still present.	<span style="background-color: black; color: black;">[REDACTED]</span>

Rev 10-22-09  
DMK

↓  
face

CTM

BAR = Bright, Alert, Responsive

TAO = Topical Antibiotic Ointment

SID = Once daily; BID = Twice daily; TID = Three times daily

## CLINICAL/PROGRESS NOTES

AHR: 9056 Animal ID#: 109 Room: A486B Investigator: \_\_\_\_\_

Date	Time	Notes	Initials
4/19/19	10 am	BAR. Bite on B side of face not discernible. Hair loss on preheal not apparent. Small area alopecia on nose where bite wound healed. Skin is intact no inflammation.	
4/25/19	11 <sup>30</sup> A	(B) BARH. No alopecia on forehead or (P) side face. Still small amount alopecia at nose; no wound; no scab (A) Healed wounds, alopecia at nose (P) Monitor X week; if alopecia remains consider dx otherwise otherwise resolve	ef
4/26/19	8:00	1/1 ♂ rabbit (wyatt) BARH; Alopecia has resolved/healed on forehead and (B) side of face. Wound on nose is healing and fur is growing back. No scars, inflammation or redness.	
5/2/19	8 <sup>50</sup> a	CTM 1X week 1/1 ♂ rabbit; BARH; Small patch of alopecia on nose. Appears that fur is growing back. Light red tint; NO scab/inflammation. No other problems found. Recheck next week to close. CTM	
5/6/19	11 AM	Single housed male intact rabbit; previous wound from bite by other male on left side nose has healed but has alopecia unchanged. (A/P) Healed lesion w/ alopecia - resolve	ef
		Closed 5/6/19	ef



# SMALL MAMMA PATIENT EXAMINATION REPORT CARD

<b>1. Coat/Fur &amp; Skin</b> <input checked="" type="checkbox"/> Appears normal Dull/Dry Scaly Infection Matted Itchy Discharge Infection Ulcer: L R Tumor: L R Excessive Hair Painful	
<b>2. Eyes</b> <input checked="" type="checkbox"/> Appears Normal Inflamed Eyelid Deformities Cataract: L R	
<b>3. Ears</b> <input checked="" type="checkbox"/> Appears Normal Dirty Tumor: L R Excessive Hair Inflamed: L R Mites Infected Painful	
<b>4. Nose</b> <input checked="" type="checkbox"/> Appears Normal Other:	
<b>5. Mouth, Teeth, Gums</b> <input checked="" type="checkbox"/> Appears Normal Broken Teeth Tartar Buildup Overgrown Incisors Overgrown Molars Overgrown roots Tumors Inflamed Lips Periodontal Disease Abscessed	
<b>6. Legs &amp; Paws</b> <input checked="" type="checkbox"/> Appears Normal Joint Problems Lameness Other:	
<b>7. Heart</b> <input checked="" type="checkbox"/> Appears Normal Slow Murmur Fast Irregular	
<b>8. Lungs</b> <input checked="" type="checkbox"/> Appears Normal Abnormal Sound Rapid Respiration Coughing Congestion Dyspnea	
<b>9. Abdomen</b> <input checked="" type="checkbox"/> Appears Normal Enlarged Organs Fluid Abnormal Mass Tense/Painful Swollen	
<b>10. Gastrointestinal System</b> <input checked="" type="checkbox"/> Appears Normal Stasis/Impaction Anorexia Abnormal Feces Parasites	
<b>11. Urogenital System</b> <input checked="" type="checkbox"/> Appears Normal Mammary Tumors Abnormal Testicles Abnormal Urination Genital Discharge	
<b>12. Weight</b> Normal Heavy By: _____ Obese Thin By: _____	

<b>TESTS NEEDED:</b> Annual Blood Work Urinalysis Fecal Examination Spay / Neuter Microchip Skin Scraping Fungal Culture Ear Cytology	<b>RECOMMENDATIONS:</b> Cage Change: _____ Bedding Change: Change Type Diet Change: Please see handout	Tech Initials: _____ Temp: _____ Weight: <u>3.36 kg</u> <u>Wyatt # 109</u>
Appetite: <input checked="" type="checkbox"/> normal / increased / decreased Water Intake: <input checked="" type="checkbox"/> normal / increased / decreased Coughing: <input checked="" type="checkbox"/> No / Yes, Frequency: _____ Sneezing: <input checked="" type="checkbox"/> No / Yes, Frequency: _____ Urination: <input checked="" type="checkbox"/> normal / increased / decreased Attitude: <input checked="" type="checkbox"/> normal / abnormal Feces: <input checked="" type="checkbox"/> normal / abnormal		

Presented For: exam - annual

Historical Issues/ Medications: None

Current Diet: Grass hay, HiFiber rabbit pellets, fresh veg

Examination:  
 S/O: BATH. Rather nervous. HR ~ 200; no obvious murmurs or arrhythmias. RR SNIFE excited. No crackles or wheezes.  
 EEN - ok. MM - NE nervous. Jaw - palpates symmetrically.  
 Hind feet: see drawing  
 Both feet have 3-4mm diameter circular alopecia lesions at points of hock; otherwise ok.

A. mild pododermatitis  
 p. Rel 1-2 months as needed, monitor

Doctor: Doctor's name, DVM L. Jankell DVM Need: \_\_\_\_\_ In: \_\_\_\_\_ Days

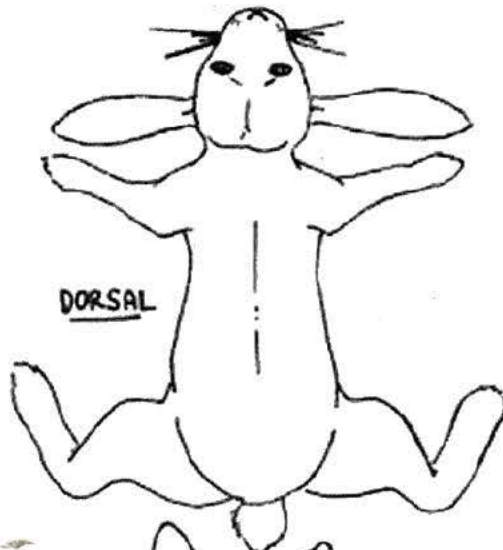
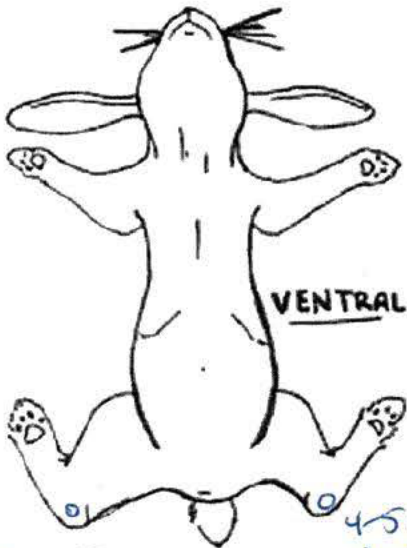
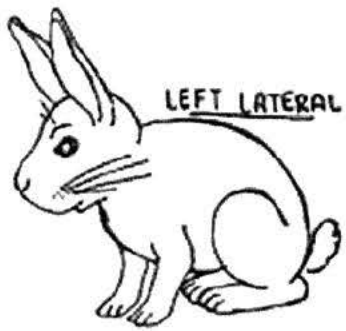
DIAGNOSIS OR PROBLEMS	PROGNOSIS	DIFFERENTIAL DIAGNOSIS	PLAN
pododermatitis, mild	-	-	rel 1-2 months

Today's Date: <u>4/5/19</u>	Chart #: <u>109</u>	Species/Breed: <u>Rabbit / NZW</u>	DOB: <u>5/5/18</u>
Pet's Name: <u>Wyatt #109</u>	Last Name: _____	Color: <u>white</u>	Sex: <u>MA</u>

6 more paws

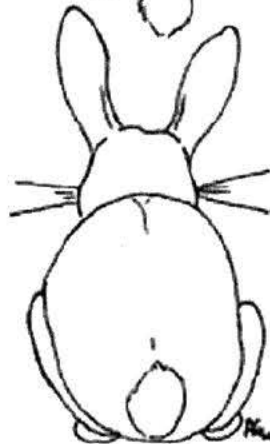
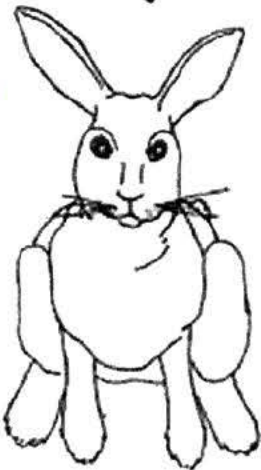


Wyatt #109



4-5 mm  
alopecia  
no scabs

4-5 mm  
alopecia  
no scabs

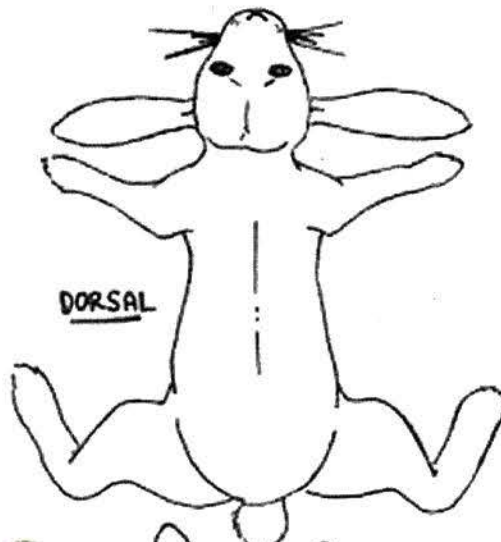
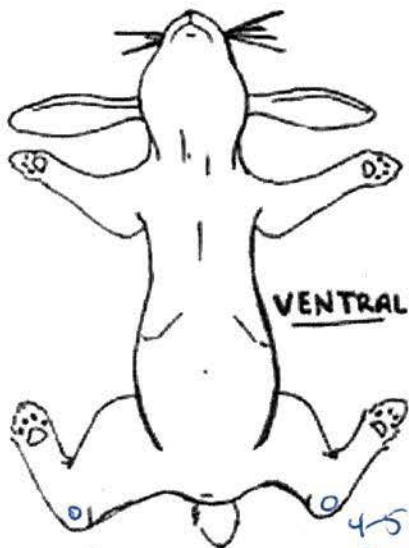
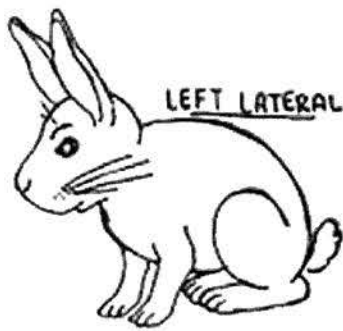


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Wyatt #109

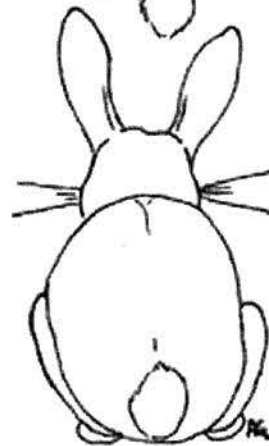
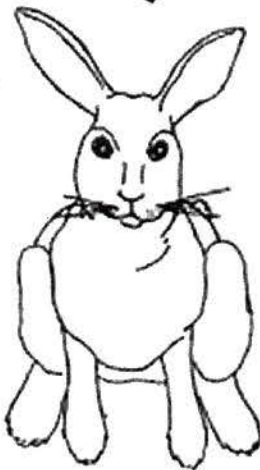
4/5/19 wt = 3.36 kg

Wyatt #109



4-5  
mm  
alopecia  
no scabs

4-5 mm  
alopecia  
no scabs

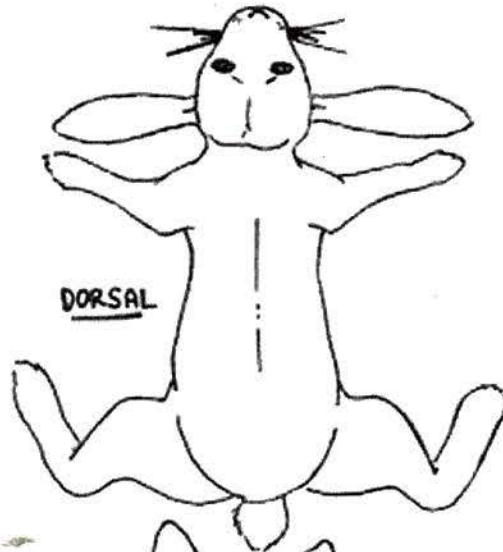
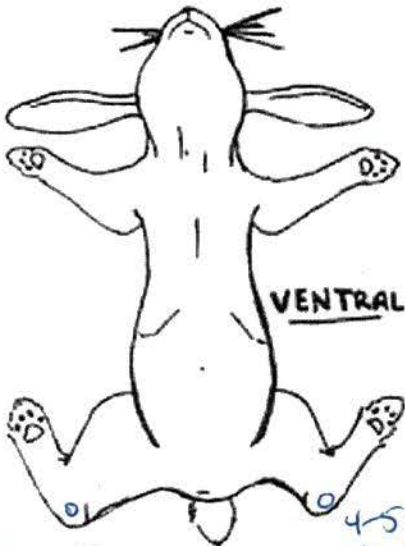
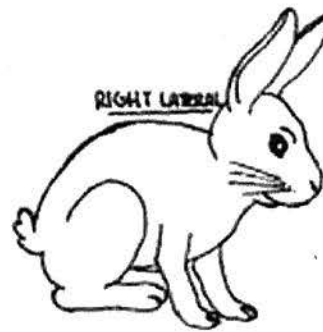
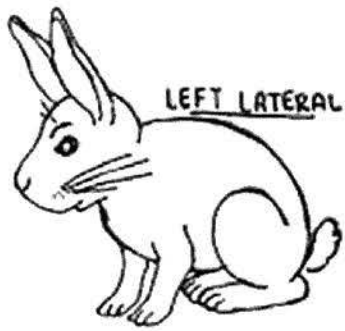


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Wyatt #109

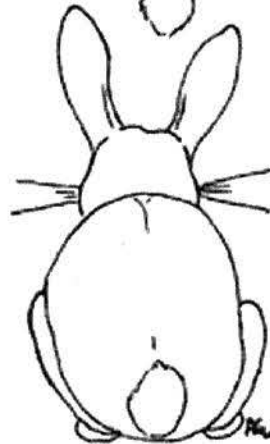
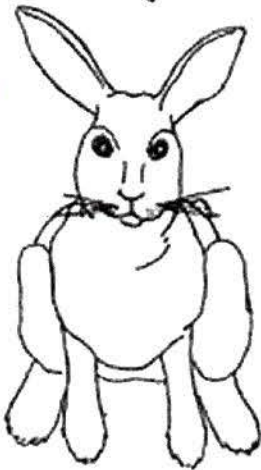
4/5/19 wt = 3.36 kg

Wyatt #109



4-5 mm  
alopecia  
no scales

4-5 mm  
alopecia  
no scales



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Wyatt #109

4/5/19 wt = 3.36 kg